

JesÃ³s S PÃ©rez Del RÃ­o

List of Publications by Year in descending order

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15
papers

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1478505

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16
docs citations

16
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84
citing authors

#	ARTICLE	IF	CITATIONS
1	Averaging analysis of a perturbed quadratic center. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2001, 46, 45-51.	1.1	65
2	Structural Stability of Planar Homogeneous Polynomial Vector Fields: Applications to Critical Points and to Infinity. <i>Journal of Differential Equations</i> , 1996, 125, 490-520.	2.2	25
3	Planar quasi-homogeneous polynomial differential systems and their integrability. <i>Journal of Differential Equations</i> , 2013, 255, 3185-3204.	2.2	22
4	Polynomial first integrals of quadratic vector fields. <i>Journal of Differential Equations</i> , 2006, 230, 393-421.	2.2	18
5	Phase portraits of the quadratic vector fields with a polynomial first integral. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 2006, 55, 420-440.	1.3	14
6	Structural stability of planar semi-homogeneous polynomial vector fields applications to critical points and to infinity. <i>Discrete and Continuous Dynamical Systems</i> , 2000, 6, 809-828.	0.9	10
7	On the number of limit cycles surrounding a unique singular point for polynomial differential systems of arbitrary degree. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2008, 69, 4461-4469.	1.1	5
8	Limit cycles of generalized Liénard polynomial differential systems via averaging theory. <i>Chaos, Solitons and Fractals</i> , 2014, 62-63, 1-9.	5.1	4
9	Progress and Challenges in Dynamical Systems. <i>Springer Proceedings in Mathematics and Statistics</i> , 2013, , .	0.2	4
10	Classification and Counting of Planar Quasi-Homogeneous Differential Systems Through Their Weight Vectors. <i>Qualitative Theory of Dynamical Systems</i> , 2018, 17, 541-561.	1.7	3
11	Planar polynomial vector fields having a polynomial first integral can be obtained from linear systems. <i>Applied Mathematics Letters</i> , 2011, 24, 1115-1119.	2.7	2
12	On the polynomial differential systems having polynomial first integrals. <i>Bulletin Des Sciences Mathematiques</i> , 2012, 136, 309-316.	1.0	2
13	On the Multiplicity of Algebraic Limit Cycles. <i>Journal of Dynamics and Differential Equations</i> , 2012, 24, 539-560.	1.9	1
14	An algorithm for providing the normal forms of spatial quasi-homogeneous polynomial differential systems. <i>Journal of Symbolic Computation</i> , 2019, 95, 1-25.	0.8	1
15	Analytic integrability of quasi-homogeneous systems via the Yoshida method. <i>Journal of Symbolic Computation</i> , 2021, 104, 960-980.	0.8	0